A&D

A&D Weighing

Industrial Weighing
Scales, Indicators and
Production Weigh Modules
2022

Overview

On the following pages you will find an overview of the industrial weighing scales and precision industrial balances from A&D Weighing.

About A&D Weighing

A&D is a global leader in advanced measurement instruments. A&D Weighing serves the Americas from our Silicon Valley headquarters in San Jose, Calif. We are a trusted name in many markets including:

- Industrial Production & OEM
- Laboratory
- Food Processing

Contents

Industrial Precision Balances

GP Series

For heavier weighing, the GP gives you the capacity of a scale and the precision of a balance. Choose from an adjustable swing arm display (GP) or mountable detached display (GP-S). SmartRange feature for improved precision, regardless of tare container weight.

- Swing arm design or detached display and platform configurations
- IP65 dust and water protection, aluminum & stainless steel construction, standard RS-232C interface
- Automatic calibration prompted by temperature change, and user-initiated calibration with one touch of the CAL key
- Application modes include Hi/Low comparator, accumulation function, counting, percent and dynamic weighing, weigh below and multiple weighing units. GLP, GMP and ISO compliant
- Industry leading 5-year A&D warranty

Capacity (kg)	Resolution (g)	Model	Pan Size
12	0.1	GP-12K	15.1" x 13.5"
21	0.1	GP-20K	15.1" x 13.5"
31	0.1	GP-30K	15.1" x 13.5"
31	0.1	GP-30KS	15.1" x 13.5"
31	1	GP-30KN	15.1" x 13.5"
31	1	GP-30KSN	15.1" x 13.5"
6 / 30	0.1 / 1	GX-32K	10.62" x 8.26"
6 / 30	0.1 / 1	GF-32K	10.62" x 8.26"
6 / 31	0.1 / 1	GP-32K	15.1" x 13.5"
6 / 31	0.1 / 1	GP-32KS	15.1" x 13.5"
41	0.5	GP-40K	15.1" x 13.5"
61	1	GP-60K	15.1" x 13.5"
61	1	GP-60KS	15.1" x 13.5"
61	0.1	GP-61K	15.1" x 13.5"
61	0.1	GP-61KS	15.1" x 13.5"
100	1	GP-100K	15.1" x 13.5"
101	1	GP-100KS	15.1" x 13.5"
61 / 101	1 / 10	GP-102K	15.1" x 13.5"

Note: GP-30KN & GP-30KSN are trade-legal class II. NTEP CoC 21-003 with e=1 g

5 YEAR A&D WARRANTY | RS-232C Interface | Underhook | Internal Calibration | Software | GLP Compliant

Intrinsically Safe Weighing

EK-AEP Intrinsically Safe Compact Balances

- Conforms to: IECEx: Ex ia op is IIB T3 Ga ATEX: II 1G Ex ia op is IIB T3 Ga FM/FMc (NEC505): Class I, Zone 0, AEx/ Ex ia op is IIB T3 FM/FMc (NEC500): IS / I / 1 / C, D / T3C Tamb -25 to +40°C
- Battery operation with up to 250 hours for portability, requires no external power supply
- Stainless steel weighing pan, easy-to-read bright LCD display with backlight, external calibration
- Application modes include counting, percent weighing, checking sample variation Hi/Low comparator function for fast and accurate filling, packing, sorting. Multiple weighing units
- Options for intrinsically safe communication beyond hazardous area
- Contact A&D for communications options and accessories
- Industry leading 5-year A&D warranty

Capacity	Resolution	Model	Pan Size
300 g	0.01g	EK-300AEP	Ø 4.3"
3000 g	0.1 g	EK-3000AEP	5.2 x 6.7"
12 kg	0.001 kg	EK-12KAEP	5.2" x 6.7"

HW-CEP Intrinsically Safe Bench Scales

- FM, FMc Class I, Division 1, Groups C and D. IECEx, ATEX for; AEx is for Class I, Zone 0, Group IIB.
- Fast stabilization time - 1.5 seconds. IP65 dust and water protection (platform only)
- Battery operation with 4 D cells (not included), up to 1500 hours run time
- Application modes include Hi/Low comparator, counting, and multiple weighing units
- Backlit LCD display with alphanumeric keypad GLP/GMP/ISO Compliant
- 2-year A&D warranty

Capacity	Resolution	Model	Pan Size
20 lb 10 kg	0.002 lb 0.001 kg	HW-10KCEP	9.8" x 9.8"
150 lb 60 kg	0.01 lb 0.005 kg	HW-60KCEP	13" x 16.7"
200 lb 100 kg	0.02 lb 0.01 kg	HW-100KCEP	15.4" x 20.9"
500 lb 220 kg	0.05 lb 0.02 kg	HW-200KCEP	15.4" x 20.9"

Bench Scales − Dry Use

EK-L Precision Bench Scales

Ideal for use when large capacity and high resolution are required at the same time. The EK-15KL has 0.1 g readability across its full 15 kg capacity. The EK-30KL has a smart range function. This is especially useful when the gross weight exceeds 3 kg yet 0.1 g readability is needed to measure net weight when using heavy tare containers. A single press of the re-zero key restores the 0.1 g precision range up to 3 kg.

- Large weighing pan for measurements of bulky objects or quantities
- Hygienic and scratch-resistant stainless steel (SUS430) weighing pan
- Easy-to-read LCD display, white backlight, Standard RS-232C interface
- GLP/GMP/GCP/ISO compliant
- Operation with either AC adapter or optional rechargeable battery
- 2-year A&D warranty

Capacity	Resolution	Model	Pan Size
33 lbs 15 kg	0.0005 lbs 0.1 kg	EK-15KL	11.8" x 8.3"
6.6 / 66 lbs 3 / 30 kg	0.0005 / 0.005 lbs 0.1 / 1 kg	EK-30KL	11.8" x 8.3"

B Models (no column)

A Models (column)

FG-K Series

FG-K Series combines fast response time and rock-solid durability in an easy to use package. Three user selectable display readings let you choose the resolution needed for the job. Additional weighing modes include parts counting and HI/OK/LOW comparator function for checkweighing. Weighs in lb, kg, oz.

- "N" models (in grey below) Legal-for-Trade US (NTEP) and Canada (MC).
- Other models are high resolution up to 12,000 divisions
- Fast stabilization time - 1 second, stainless steel weighing pan. Simple four key operation
- Display configurations include column mount ("A"), base mount ("B") below, wall mount bracket option
- Battery operation with 4 C cells (not included), up to 150 hours run time. AC adapter included
- Application modes include Hi/Low comparator, counting, and multiple weighing units.
- 2-year A&D warranty

Capacity		Resolution	Pan Size	Model	Column
60 lb	30 kg	0.005 lb	11.8" x 15"	FG-30KBM	No
60 lb	30 kg	0.02 lb	11.8" x 15"	FG-30KBMN	No
60 lb	30 kg	0.005 lb	11.8" x 15"	FG-30KAM	Yes
60 lb	30 kg	0.02 lb	11.8" x 15"	FG-30KAMN	Yes
150 lb	60 kg	0.01 lb	11.8" x 15"	FG-60KBM	No
150 lb	60 kg	0.05 lb	11.8" x 15"	FG-60KBMN	No
150 lb	60 kg	0.01 lb	11.8" x 15"	FG-60KAM	Yes
150 lb	60 kg	0.05 lb	11.8" x 15"	FG-60KAMN	Yes
150 lb	60 kg	0.01 lb	15.4" x 20.9"	FG-60KAL	Yes
150 lb	60 kg	0.05 lb	15.4" x 20.9"	FG-60KALN	Yes
300 lb	150 kg	0.02 lb	11.8" X 15"	FG-150KBM	No
300 lb	150 kg	0.1 lb	11.8" X 15"	FG-150KBMN	No
300 lb	150 kg	0.02 lb	11.8" X 15"	FG-150KAM	Yes
300 lb	150 kg	0.1 lb	11.8" X 15"	FG-150KAMN	Yes
300 lb	150 kg	0.02 lb	15.4" x 20.9"	FG-150KAL	Yes
300 lb	150 kg	0.1 lb	15.4" x 20.9"	FG-150KALN	Yes
400 lb	200 kg	0.02 lb	15.4" x 20.9"	FG-200KAL	Yes
400 lb	200 kg	0.1 lb	15.4" x 20.9"	FG-200KALN	Yes

Note: NTEP models in grey with "N" suffix.

Bench Scales − Dry Use

HV-C/HV-CP Series
with Comparator Lights

- HV-C are Legal-for-Trade US (NTEP) and Canada (MC)
- Fast stabilization within 1 second, IP65 dust and water protection for base (load cell and pan), stainless steel pan. Built-in printer with CP models
- Battery operation (-C models) with 4 D cells (not included), up to 1200 hours run time
- Backlit LCD display, bright multi-colored 5-step LED comparator lights.
- 10-digit alphanumeric keypad
- Three Interface slots for optional communication interfaces: USB, RS-232, relay
- 2-year A&D warranty

HW-C/HW-CP Series

- High resolution version of HV-C, with same rich feature set
- CP models have built-in printer
- 2-year A&D warranty

Capacity (lb)	Resolution (lb)	Capacity (kg)	Resolution (kg)	Pan Size	Trade-legal	High-Resolution	Model	Printer Version
6/15/30	0.002/0.005/0.01	3/6/15	0.001/0.002/0.005	9.8" x 9.8"	NTEP / MC		HV-15KC	HV-15KCP
30/60/150	0.01/0.02/0.05	15/30/60	0.005/0.01/0.02	13" x 16.7"	NTEP / MC		HV-60KC	HV-60KCP
150/300/500	0.05/0.1/0.2	60/150/220	0.02/0.05/0.1	15.4" x 20.9"	NTEP / MC		HV-200KC	HV-200KCP
20	0.002	10	0.001	9.8" x 9.8"		Yes	HW-10KC	HW-10KCP
150	0.01	60	0.005	13" x 16.7"		Yes	HW-60KC	HW-60KCP
200	0.02	100	0.01	15.4" x 20.9"		Yes	HW-100KC	HW-100KCP
500	0.05	220	0.02	15.4" x 20.9"		Yes	HW-200KC	HW-200KCP

Note: NTEP models in grey.

Bench Scales − Washdown

Advanced
SW Series

SW Super Washdown Bench Scales are designed to withstand the most demanding process conditions and high pressure, high temperature cleaning. With a superior IP69K rating (1450 PSI, 175°F), stainless steel frame, load cell and weigh pan, SW bench scales are ideal for food processing applications and extremely damp locations where cleanliness and sanitation are critical. Weighing modes include parts counting and comparator function for checkweighing applications. Weighs in lb, kg, oz, g, lb-oz with easily switchable units.

- IP69K - the highest level of dust and water protection, for high pressure/temp washdown
- Stainless steel weigh pan, frame, column, and sensor
- Legal for Trade for US (NTEP) and Canada (MC), NSF listed to meet HACCP requirements
- Operates on AC or optional rechargeable battery
- Fast stabilization time - 1 second. Large multicolored LED display
- Hi/Low comparator, counting, and multiple units
- 1-year A&D warranty

Capacity (lb / kg)		Resolution (lb)	Pan Size	Model
13	6	0.001	9.8" x 9.8"	SW-6KS
33	15	0.002	9.8" x 9.8"	SW-15KS
33	15	0.002	11.8" x 15.0"	SW-15KM
66	30	0.005	11.8" x 15.0"	SW-30KM
130	60	0.01	11.8" x 15.0"	SW-60KM
130	60	0.01	15.4" x 20.9"	SW-60KL
330	150	0.02	11.8" x 15.0"	SW-150KM
330	150	0.02	15.4" x 20.9"	SW-150KL

Note: NTEP models in grey.

Standard Plus
SC Series

SC Series feature an IP68 rated all stainless steel base, column and weighing pan. The fully sealed waterproof molded indicator provides extended battery life. Weighing modes include parts counting lb, kg, oz.

- Fast stabilization time - 1 second. Stainless steel weigh pan, stainless steel frame and column
- IP68 dust and water protection. Washdown construction for easy cleaning
- Legal for Trade for US (NTEP) and Canada (MC),
- Battery operation with 6 D cells (not included), up to 4500 hours run time
- Application modes include Hi/Low comparator, counting, and multiple weighing units
- Supersized LCD with 39 mm character height.
- 2-year A&D warranty

SE Series

Identical to SC Series except epoxy-coated mild steel column, frame base.

- IP68 dust and water protection. Washdown construction for easy cleaning
- Legal for Trade for US (NTEP) and Canada (MC),
- 2-year A&D warranty

Capacity (lb / kg)		Resolution (lb)	Pan Size	SC Model	SE Model
66	30	0.01	11.8" x 15"	SC-30KAM	SE-30KAM
130	60	0.02	11.8" x 15"	SC-60KAM	SE-60KAM
130	60	0.02	15.4" x 20.9"	SC-60KAL	SE-60KAL
330	150	0.05	11.8" x 15"	SC-150KAM	SE-150KAM
330	150	0.05	15.4" x 20.9"	SC-150KAL	SE-150KAL

Note: NTEP models in grey.

Bench Scales – Washdown

HV-CWP Series
with Comparator Lights

- Legal-for-Trade US (NTEP) and Canada (MC)
- Stainless steel display and pan
- Backlit LCD display, bright multi-colored 5-step LED comparator lights
- 10-digit alphanumeric keypad
- Full washdown with IP65 dust and water protection rating
- Maintains IP65 even with optional communication interfaces: USB, RS-232, relay
- 2-year A&D warranty

HW-CWP Series

- High resolution version of HV-CWP, with same rich feature set
- 2-year A&D warranty

Capacity (lb)	Resolution (lb)	Capacity (kg)	Resolution (kg)	Pan Size	Trade-legal	High- Resolution	Model
6/15/30	0.002/0.005/0.01	3/6/15	0.001/0.002/0.005	9.8" x 9.8"	NTEP / MC		HV-15KCWP
30/60/150	0.01/0.02/0.05	15/30/60	0.005/0.01/0.02	13" x 16.7"	NTEP / MC		HV-60KCWP
150/300/500	0.05/0.1/0.2	60/150/220	0.02/0.05/0.1	15.4" x 20.9"	NTEP / MC		HV-200KCWP
20	0.002	10	0.001	9.8" x 9.8"		Yes	HW-10KCWP
150	0.01	60	0.005	13" x 16.7"		Yes	HW-60KCWP
200	0.02	100	0.01	15.4" x 20.9"		Yes	HW-100KCWP
500	0.05	220	0.02	15.4" x 20.9"		Yes	HW-200KCWP

Note: NTEP models in grey.

Compact Bench Scales – Washdown

SK-WP Series

SK-WP Series scales are ideal for food preparation and food service. With an IP65 rating, stainless steel construction, a large removable pan, these scales are easy to clean. They are legal-for-trade in US/Canada, NSF listed and meet HACCP requirements. 1200 hour battery life (6 D-cell batteries) eliminates the need for optional AC power in many applications. Units of g, lb for all models, SK-5000WP adds oz.

- Stainless steel body and weighing pan, IP65 dust and water protection. Large clear LCD display
- NTEP Legal for Trade (US) and Measurement Canada Approved
- Battery operation with 6 D cells (not included), up to 1,600 hours run time. Optional AC adapter
- Easy one-touch full digital calibration
- 2-year A&D warranty

Capacity		Resolution	Pan Size	Model
2.2 lb	1000 g	0.001 lb	9.1" x 7.5"	SK-1000WP
6.6 lb	3000 g	0.0002 lb	9.1" x 7.5"	SJ-3000WP
11 lb	5000 g	0.005 lb	9.1" x 7.5"	SK-5000WP
5000 g		1 g	9.1" x 7.5"	SK-5001WP
13 lb	6000 g	0.0005 lb	9.1" x 7.5"	SJ-6000WP
22 lb	10 kg	0.01 lb	9.1" x 7.5"	SK-10KWP
33 lb	15 kg	0.001 lb	9.1" x 7.5"	SJ-15KWP
44 lb	20 kg	0.02 lb	9.1" x 7.5"	SK-20KWP
66 lb	30 kg	0.002 lb	9.1" x 7.5"	SJ-30KWP

Note: NTEP models in grey. See next page for SJ-WP

HL-WP Series

Compact and portable IP-67 washdown scales for portion control in restaurants, food processing and for use in harsh industrial environments. Stainless steel body, including the removable pan, can be fully submerged in water for cleaning. The HL-WP Series are NSF listed and HACCP compliant and trade-legal. Uses 6 x AA batteries or AC adapter (optional). Units of Measure: g, oz, lb-oz, lb.

- NTEP Legal-For-Trade models (see table)
- Easy to read clear LCD readout
- Battery level indicator with Auto Power-Off
- Higher capacity model feature large pan size

Capacity		Resolution	Pan Size	Model
10.5 oz	300 g	0.01 oz	5" x 5"	HL-300WP
2.2 lb	1000 g	0.001 lb	5" x 5"	HL-1000WP
6.6 lb	3000 g	0.002 lb	5" x 5"	HL-3000WP
6.6 lb	3000 g	0.002 lb	5.4" x 6.8"	HL-3000LWP
6.6 lb	3000 g	0.002 lb	5" x 5"	HL-3000WPN
6.6 lb	3000 g	0.002 lb	5.4" x 6.8"	HL-3000LWPN

Note: NTEP models in grey.

Checkweighing Scales − Washdown

SJ-WP Series

A&D's most robust compact washdown scale is IP67 rated and submersible for thorough cleaning. Advanced bright Red-Yellow-Green traffic light checkweighing feature is perfect food portioning and industrial filling applications. Units: g, oz, lb, kg, lb-oz.

• Ultra-fast stabilization time - 0.5 seconds.
• Check-weighing scale with 9.1" x 7.5" stainless steel pan.
• IP65 dust and water rated. NSF listed to meet HACCP requirements.
• Up to 5000 hours with 6 D cells
• Application modes include Hi/Low comparator and multiple weighing units.
• Take-away (negative checkweighing)
• 2-year A&D warranty.

SJ-WP-BT Series

• High-resolution - only version of the SJ-WP with Bluetooth
• Wireless connection to external remote display, AD-8931
• Wireless connection to PC via USB dongle AD-8541-PC
• 2-year A&D warranty

Capacity		Trade-Legal	High-Resolution	Model
6.6 lb	3000 g	NTEP / MC	Yes-both	SJ-3000WP
13 lb	6000 g	NTEP / MC	Yes-both	SJ-6000WP
33 lb	15 kg	NTEP / MC	Yes-both	SJ-15KWP
66 lb	30	NTEP / MC	Yes-both	SJ-30KWP
6.6 lb	3000 g		Yes	SJ-3000WP-BT
13 lb	6000 g		Yes	SJ-6000WP-BT
33 lb	15 kg		Yes	SJ-15KWP-BT
66 lb	30 kg		Yes	SJ-30KWP-BT

Note: NTEP models in grey.

FS-i Series

A&D's FS-i Series of Checkweighing Scales feature large, bright comparator lights, stainless steel construction, and three user-selectable resolution levels. FS-i Checkweighers satisfy both NSF and HACCP requirements. These durable scales are ideal for food processing and checkweighing applications. NTEP Certified and Measurement Canada approved models.

• Ultra-fast stabilization time - 0.5 seconds
• Check-weighing scale with stainless steel pan. IP65 dust and water rated. NSF listed to meet HACCP requirements
• Operates on AC mains; rechargeable battery option
• Application modes include Hi/Low comparator and multiple weighing units
• Large LCD display and comparator light, analog bar display - 3 modes, memory for 99 items
• 2-year A&D warranty

Capacity (lb / kg)		Resolution (lb / kg)		Pan Size	Model
15	6	0.001	0.0005	9.8" x 9.8"	FS-6Ki
15	6	0.005	0.0002	9.8" x 9.8"	FS-6KiN
35	15	0.002	0.001	9.8" x 9.8"	FS-15Ki
35	15	0.01	0.005	9.8" x 9.8"	FS-15KiN
70	30	0.005	0.002	15" x 11.8"	FS-30Ki
70	30	0.02	0.01	15" x 11.8"	FS-30KiN

Note: NTEP models in grey.

Compact Bench Scales – Dry Use

SK-Z Series

SK-Z Series compact bench scales are good for general weighing in most every industry and good for food applications. The rugged high impact molded housing is splash resistant and rust proof.

- NSF 169 and NSF 14159-1 listed, the highest hygienic food safety standards
- Battery operation or optional AC adapter
- Weighs in g, lb, oz, lb-oz
- 2-year A&D warranty

Capacity		Resolution	Pan Size	Model
4.4 lb	2000 g	0.002 lb	9.1" x 7.5"	SK-2000Z
11 lb	5000 g	0.005 lb	9.1" x 7.5"	SK-5000Z
44 lb	20 kg	0.02 lb	9.1" x 7.5"	SK-20KZ

SJ Series

Ideal for food portion control and general-purpose weighing. Durable molded plastic body. NSF listed with large, removable stainless steel pan make the SJ easy to keep clean for HACCP applications.

- Fast stabilization time – less than 1 second. Stainless steel weighing pan
- Legal for Trade in Canada (MC) and US (NTEP) (all models except SJ-5001HS)
- NSF 169 and NSF 14159-1 listed, the highest hygienic food safety standards
- Battery operation with 4 D cells (not included), up to 1,600 hours run time. Optional AC adapter
- Large LCD display, multiple weighing units: g, lb, oz.
- Level bubble and adjustable feet for precise leveling
- 2-year A&D warranty

Capacity		Resolution	Pan Size	Model
2.2 lb	1000 g	0.001 lb	9.1" x 7.5"	SJ-1000HS
4.4 lb	2000 g	0.002 lb	9.1" x 7.5"	SJ-2000HS
11 lb	5000 g	0.005 lb	9.1" x 7.5"	SJ-5000HS
11 lb	5000 g	0.002 lb	9.1" x 7.5"	SJ-5001HS
26 lb	12 kg	0.01 lb	9.1" x 7.5"	SJ-12KHS
44 lb	20 kg	0.02 lb	9.1" x 7.5"	SJ-20KHS
66 lb	30 kg	0.05 lb	9.1" x 7.5"	SJ-30KHS

Note: NTEP models in grey.

Compact Scales

HL-iVP includes stainless steel pan cover

HT-300 and up models

HT-120

HL-i Compact Scales

The HL-I "Ninja" Series is for use in the office, warehouse, kitchen or laboratory. Tough ABS construction assures long service life and over a wide temperature range. Easily portable at about 5 x 8 inches. Weigh in g, oz, ct; HL-2000i also weighs in lb-oz.

- Large LCD Display with stability indicator
- Battery operation with 4 AA batteries (included), up to 450 hours run time. Optional AC adapter
- Overload protection, tough ABS platter.
- 2-year A&D warranty

HL-iVP Series Value Pack

- Adds stainless steel pan cover, AC adaptor, carry and storage case.

Capacity	Resolution	Pan Size	Model
200 g	0.1 g	Ø 5.1"	HL-200i
200 g	0.1 g	Ø 5.1"	HL-200iVP
2000 g	1 g	Ø 5.1"	HL-2000i
2000 g	1 g	Ø 5.1"	HL-2000iVP

HT Series

Ideal for schools, laboratories and weighing your jewelry, HT-120 brings optimum weighing performance at a value price. It has features usually found in scales costing much more such as the stainless steel pan, backlit display and multiple units of measure: g, oz, ozt, ct, mom, dwt, grain, tola, tael, and Newton.

HT models 300 g and up, have 7 units of measure, including: g, oz, lb-oz., ozt and N. And all HT Series come with a clear carry-case for easy storage and safe transport.

- Large LCD display with clearly visible characters (13.5mm)
- Battery operation with 4 AA batteries (included), up to 500 hours run time. Optional AC adapter
- Includes storage box, stackable case takes up less space for storage, anti-theft feature
- 2-year A&D warranty

Capacity	Resolution	Pan Size	Model
120 g	0.01 g	Ø 2.75"	HT-120
310 g	0.1 g	5.20" x 5.12"	HT-300
510 g	0.1 g	5.20" x 5.12"	HT-500
3100 g	1 g	5.20" x 5.12"	HT-3000
5100 g	1 g	5.20" x 5.12"	HT-5000

Counting Scales

Advanced
FC-i/Si Series

FC-i Series of high-resolution counting scales offer simple and easy operation. A&D's exclusive Automatic Count Accuracy Improvement combines the two most critical performance requirements of counting scales: count accuracy and operational efficiency to correct errors caused by variation in unit weights. Bright VFD display simultaneously shows count, weight, comparator results, unit weight, ID #, and item code with up to 12 alphanumeric characters. LED prompting Navigation System for intuitive operator use virtually eliminates operator training time.

- Internal resolution up to 1/5,000,000
- 500 alphanumeric memory
- Rugged aluminum die-cast housing with splash-proof display
- Standard RS-232C with optional 2nd and 3rd ports
- Rechargeable battery
- Remote scale base option

Standard
HD Series

HD Series of high capacity counting scales offer high internal resolution with capacity to 120 lbs. A&D's exclusive Automatic Count Accuracy Improvement corrects errors caused by variation in unit weights. Standard models feature simple 2-button operation, single display without keypad for ultra simple use. The enhanced models feature a large detachable 3 window LCD display/keyboard. Also included is a comparator function mode for packaging applications.

- Internal resolution with up to 1/120,000
- Operates on AC power or 6 C-cell batteries
- Memory plus function allows for accumulating count data
- Rugged aluminum die-cast housing with splash resistant display
- Options RS-232C and rechargeable battery

Basic
HC-i Series

HC-i Series counting scales offer simple and easy operation. A&D's exclusive Automatic Count Accuracy Improvement automatically corrects errors caused by variation in unit weights. The Audible Weighing Assist function alerts you when approaching the target quantity. Unique accumulation function allows for storing total piece count in memory and works in automatic or manual mode.

- High internal resolution: up to 1/750,000
- Up to 99 unit weight ID memory function for easy data retrieval
- Large detachable 3 window LCD display/keyboard
- Optional RS-232C and rechargeable battery
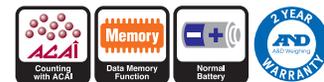
Capacity		Resolution	Pan Size	Model
1 lb	500 g	0.0001 lb	8" x 6"	FC-500i
1 lb	500 g	0.00005 lb	5" x 5"	FC-500Si
2 lb	1 kg	0.0002 lb	8" x 6"	FC-1000i
5 lb	2 kg	0.0005 lb	11.8" x 11"	FC-2000i
6 lb	3 kg	0.001 lb	11.8" x 8.3"	HC-3Ki
10 lb	5 kg	0.001 lb	11.8" x 11"	FC-5000i
10 lb	5 kg	0.0005 lb	6.5" x 6.5"	FC-5000Si
15 lb	6 kg	0.002 lb	11.8" x 8.3"	HC-6Ki
20 lb	10 kg	0.002 lb	11.8" x 11"	FC-10Ki
30 lb	15 kg	0.005 lb	11.8" x 8.3"	HC-15Ki

Capacity		Resolution	Pan Size	Model
30 lb	12 kg	0.005 lb	11.8" x 15"	HD-12KA
30 lb	12 kg	0.005 lb	11.8" x 15"	HD-12KB
50 lb	20 kg	0.005 lb	11.8" x 11"	FC-20Ki
60 lb	30 kg	0.01 lb	11.8" x 8.3"	HC-30Ki
60 lb	30 kg	0.01 lb	11.8" x 15"	HD-30KA
60 lb	30 kg	0.01 lb	11.8" x 15"	HD-30KB
100 lb	50 kg	0.01 lb	11.8" x 11"	FC-50Ki
120 lb	60 kg	0.02 lb	11.8" x 15"	HD-60KA
120 lb	60 kg	0.02 lb	11.8" x 15"	HD-60KB

Weighing Indicators

Batch Weighing

AD-4401

- High Speed Sampling at 100 times/sec.
- Up to 1 million counts of A/D resolution
- 8 auto-batch/fill/checkweigh modes
- Auto Free Fall Compensation for accuracy
- Front panel protected to IP65

Batch Weighing

AD-4402

- High Speed Sampling at 100 times/sec
- Up to 1 million counts of internal resolution
- 5 line display for weight, status and set-points
- Recipe & Sequencing Memories

General Weighing

AD-4410

- DSP technology to eliminate effects of noise & vibration from results
- RS-232C standard
- USB option
- SCF-Statistical Calculation Function
- Comparator Function

General Weighing

AD-4405A

- Counting and accumulation functions
- 1/40,000 displayed resolution
- 0-9 keys for tare, set-points and sample count entries
- Standard RS-232C
- Built-in printer option

General Weighing

AD-4406A

- Accumulation function
- 1/40,000 displayed resolution
- AC or battery operation
- Standard RS-232C
- Includes table mount bracket

Washdown

AD-4407

- IP65 with stainless steel housing
- 1/40,000 resolution
- 0-9 keys for tare, set-points and sample count entries
- RS-232 standard & counting function
- NTEP trade-legal

Washdown

FS-D Series

- IP65 with stainless steel housing
- Ideal for checkweighing/ food processing
- 1/15,000 displayed resolution
- 3 color light Hi/Lo/Ok comparator
- Auto tare function

Super Washdown

SW-D

- IP69K high pressure washdown rated
- Ultimate condensation protection
- Capacitive keys
- Multicolored LED Display w/5 comparator lights
- Rechargeable battery option

Model	NTEP	NSF	2 Year Warranty	1 Year Warranty
AD-4402			•	
AD-4401			•	
AD-4407	•		•	
FS-D		•	•	
SW-D	•	•		•
AD-4410			•	
AD-4405A			•	
AD-4406A	•		•	

Weighing Modules

AD-4212A/B Series

Enable high resolution weighing in automated systems or bring it into the tight confines of glove boxes, fumes hoods and vacuum chambers with A&D Weighing Modules. These models come with a control unit to operate the weighing cell and display results.

Production Weighing Systems
- Portfolio of fast, precise, compact, durable weighing sensors
- Ensures maximum efficiency of your production line
- For applications in high-speed weighing, high-speed check weighing, filling, isolated weighing
- Precise weighing in confined spaces such as fume hoods and gloves bags
- 5-year A&D warranty

Capacity	Resolution	Pan Size (mm)	Model
21 g	0.001 mg	Ø 34	AD-4212B-23
31 / 110 g	0.01 / 0.1 mg	Ø 34	AD-4212B-101
110 g	0.01 mg	Ø 34	AD-4212B-102
110 g	0.1 mg	50 x 50	AD-4212A-100
210 g	0.1 mg	50 x 50	AD-4212B-201
210 g	0.001 g	50 x 50	AD-4212A-200
310 g	0.1 mg	50 x 50	AD-4212B-301
610 g	0.001 g	70 x 70	AD-4212A-600
1100 g	0.001 g	70 x 70	AD-4212A-1000

AD-4212C Series

The AD-4212C Series of electromagnetic digital load cells offer direct connection to a PC or PLC with standard serial. CC link and BCD available via external display controller. Transmit measurement data up to 50 times per second. Total unit width is 59 mm. Weighing pan is 50 mm wide or make your own custom fixture for your application. Leveling feet can be replaced with screws to secure to a base or fixture.

- Headless design with direct digital output via RS-232C, standard
- Ensures maximum efficiency of your production line.
- IP65 rated sensor
- WinCT AD-4212C software offers direct HMI control
- 5-year A&D warranty

Capacity	Resolution	Pan Size (mm)	Model
320 g	1 mg	50 x 50	AD-4212C-300
51 / 320 g	0.1 / 1 mg	50 x 50	AD-4212C-301
620 g	0.001 g	50 x 50	AD-4212C-600
510 / 3200 g	0.001 / 0.01 g	50 x 50	AD-4212C-3100
3200 g	0.01 g	50 x 50	AD-4212C-3000
6200 g	0.01 g	50 x 50	AD-4212C-6000
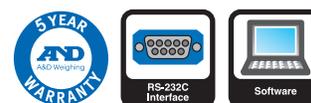
Weighing Modules & Load Cells

Analytical & Microgram Weigh Modules
AD-4212D Series

- Complete balance with internal calibration
- Readability down to 1µg (0.001 mg)
- Touch screen interface
- Available in sensor-only version with direct output
- Ideal for glove boxes, fume hoods with limited space
- 5-year A&D warranty

Capacity	Resolution	Pan Size	Model
32 g	0.001 mg	Ø34 mm	AD-4212D-33
5.1 g / 32 g	0.001 mg / 0.01 mg	Ø34 mm	AD-4212D-32
320 g	0.01 mg	Ø50 mm	AD-4212D-302
320 g	0.1 mg	Ø50 mm	AD-4212D-301

Modbus Weigh Module
AD-4212L

- Powerful vibration cancelling filter
- Compact size and robust overload protection
- High-speed sampling 1000 times per second
- DIN-rail mount, RS-485 for Modbus-RTU

Load Cells

Contact A&D for our 48-page Load Cell Catalog for your OEM requirements.
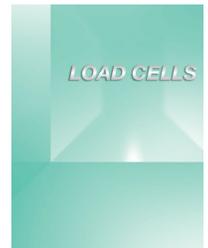
Approvals & Certifications

Legal-for-Trade (NTEP / Measurement Canada) versions of the scales in this catalog are indicated. Other trade-legal balances, including FX-i Precision Balances are also available. Visit our website to see why both buyers and sellers worldwide put their trust in A&D weighing solutions for such applications as:

- Pharmacy
- Research & Development
- Forensics
- Customs / Border Protection
- Gems and precious metals

Warranty & Support

All the balances in this catalog are backed by the best warranty in the industry: 5 years. Most scales and indicators are backed with our 2-year warranty. And all our products are backed by the extensive network of local A&D Weighing distribution partners who can assist you with:

- Post-sales service & support
- On-site setup & calibration

Don't Forget About Our Product Inspection Systems!

Product Inspection protects consumers and brands through 100% inspection. By identifying contaminants, deformities and ensuring product quality and weight with our In-motion Checkweighers, Metal Detectors, and X-ray Systems companies can save on rework, recall, and wasted product and packaging materials.can be programmed to work specifically for your products. Features like masking, missing components and misshaped product detection and identify a variety of contaminants including bone, plastic, metal and glass come standard.

In-motion Checkweighers

If product giveaway and fill is of concern, checkweighers are an excellent solution. Our line of checkweighers are modular, easy to incorporate into your existing line, have a small footprint, and are efficient with the ability to process up to 400 pieces per minute! Pair with a rejector to automate the rejection process.

Metal Detectors

In facilities with metal machinery and risk of metal contamination, our metal detectors can detect ferrous, non-ferrous and stainless steel pieces as small as 0.2 millimeters that's smaller than a grain of sand! These metal detectors are stainless steel and wash down rated for easy cleaning and maintenance.

X-ray Systems

The ProteX X-ray series is a smart inspection system that can be programmed to work specifically for your products. Features like masking, missing components and misshaped product detection and identify a variety of contaminants including bone, plastic, metal and glass come standard.

For more information, visit us at andinspection.com

A&D Weighing

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